

Name _____ Date _____

**MULTIPLICATION AND DIVISION OF COMPLEX
NUMBERS #2**

Simplify

1. $(8 + 3i)(7 + 9i)$	2. $(4 - 5i)(7 + 3i)$	3. $(6 - 7i)(5 - 8i)$
4. $(8 + 5i)(8 - 5i)$	5. $(4 + 3i)(4 - 3i)$	6. $(5 + 4i)(5 - 4i)$
7. $(4 + 8i)^2$	8. $(7 - 4i)^2$	9. $(5 + 6i)^2$

10. $\frac{3 + 4i}{8 + 3i} =$
11. $\frac{9 + 4i}{7 - 6i} =$
12. $\frac{4 - 7i}{3 - 2i} =$